

POWER SUPPLY CASING

1 BACKGROUND OF THE INVENTION

2 1. Field of the Invention

3 The present invention relates to a power supply, and more particularly to
4 a supply casing having multiple sockets securely mounted on a rear portion of
5 the casing, a recessed area defined in a mediate portion of the casing and a
6 slanted area formed on a front portion of the casing such that the power supply
7 casing is slim and has a streamlined appearance.

8 2. Description of Related Art

9 With reference to Fig. 4, a conventional power supply casing (5) is
10 shown to have a uniform thickness, wherein multiple sockets (51) are provided
11 on a rear portion of the casing and multiple buttons (53) are formed on a front
12 portion of the power supply casing (5). The quantity of the buttons (53)
13 corresponds to the quantity of the sockets (51) so that each button (53) is able to
14 control a specific function in a computer set due to a steady power supply from
15 the plugs (51) after the extension cord (55) is electrically connected to an outlet.
16 Furthermore, each of the buttons (53) is electrically connected to a
17 corresponding one of switches (54) which are vertically standing inside the
18 power supply casing (5). Due to the upwardly standing switches (54), the
19 thickness of the power supply is thick.

20 It is noted that the power supply casing (5) has a uniform thickness such
21 that the power supply casing (5) occupies a large space on a desk. That is, when
22 the power supply casing (5) is placed on top of the desk and a display or a

1 monitor is again placed on a top face of the power supply, the total volume of the
2 power supply casing (5) in combination of the display is large.

3 To overcome the shortcomings, the present invention tends to provide an
4 improved power supply casing to mitigate the aforementioned problems.

5 SUMMARY OF THE INVENTION

6 The primary objective of the present invention is to provide an improved
7 power supply casing having a recessed area defined in a mediate portion of the
8 casing and a slanted area formed on a front portion of the casing so that the
9 power supply casing has a streamlined design and occupies only a little of the
10 available space. Other objects, advantages and novel features of the invention
11 will become more apparent from the following detailed description when taken
12 in conjunction with the accompanying drawings.

13 BRIEF DESCRIPTION OF THE DRAWINGS

14 Fig. 1 is an exploded perspective view of the power supply casing of the
15 present invention;

16 Fig. 2 is a perspective view of the power supply casing;

17 Fig. 3 is side view of the power supply casing in Fig. 2; and

18 Fig. 4 is a side view of a conventional power supply casing.

19 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

20 With reference to Fig. 1, the power supply casing (1) in accordance with
21 the present invention includes a top casing (10), a bottom casing (20), multiple
22 switches (30) and multiple buttons (40).

23 The top casing (10) has multiple sockets (11) (only one is disclosed on a

1 side of the rear portion of the top casing (10)) formed on a rear portion of the top
2 casing (10), an extension cord (13) extending out from the rear portion of the top
3 casing (10), a recessed area (15) defined in a mediate portion of the top casing
4 (10) and multiple cutouts (17) defined in a slanted front portion of the top casing
5 (10).

6 The bottom casing (20) has multiple sets of conducting plates (21)
7 formed on a rear portion of the bottom casing (20) to correspond to the multiple
8 sockets (11) in the top casing (10).

9 The switches (30) are arranged in 90 degrees with respect to a normal
10 position and electrically connected to the multiple sets of conducting plates (21).
11 That is, the switches (30) are lying inside the bottom casing (20), which makes
12 the entire size of the power supply casing a lot more compact when compared
13 with the conventional one.

14 The buttons (40) are respectively arranged in the cutouts (17) of the top
15 casing (10) and each button (40) corresponds to one of the switches (30). That is,
16 each button (40) is able to control initiation of one switch (30), which activates
17 power supply from a specific socket (11) to a specific computer peripheral
18 device.

19 With reference to Fig. 2 and still using Fig. 1 for reference, when in
20 assembly, the top casing (10) of the power supply casing (1) of the present
21 invention is combined with the bottom casing (20) to have the sets of conducting
22 plates (21) received in the corresponding sockets (11). After the electrical
23 connection between the switches (30) and the multiple sets of conducting plates

1 (21) is established, each button (40) is securely mounted in a corresponding one
2 of the cutouts (17) to cover a corresponding one of the switches (30). Therefore,
3 the button (40) is able to control a desired power supply to a specific computer
4 peripheral device.

5 It is noted from Fig. 3 that the recessed portion (15) in the mediate
6 portion and the slanted front portion in the front portion of the top casing (10)
7 decreases the overall volume of the power supply casing (1) such that the total
8 space occupied by the power supply casing (1) of the present invention is small.

9 It is to be understood, however, that even though numerous
10 characteristics and advantages of the present invention have been set forth in the
11 foregoing description, together with details of the structure and function of the
12 invention, the disclosure is illustrative only, and changes may be made in detail,
13 especially in matters of shape, size, and arrangement of parts within the
14 principles of the invention to the full extent indicated by the broad general
15 meaning of the terms in which the appended claims are expressed.